

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name	
P0038315	MES002-VC	1	1	COD	MT-41L40-R1.500	AISI 41L40 Leaded Steel Round Bar 1.500" Dia. material: AISI 41L40 STEEL ROUND BAR PER AISI 41L40				12	11/17/2017	12		S011027	Stock	11/17/2017	\$ 39.00 / ft	0	0	\$468.00	Metaux Solutions	
		2			M303B0.500x4.000	AISI 303 SS Bar 0.500" x 4.000" MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft				3		3		S011028	Stock	11/17/2017	\$ 131.67 / ft	0	0	\$395.00	Metaux Solutions	
Total:										15		15									\$677.20	

Shipping Order

15/11/2017

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Order : 130371
Reference : 38315
Bid : 24929
Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
MR11241L	41L40 ANN ROU 1.500 DIA. 1 X 12 ***** ht:182713	12	12	Ø
sp124363	303 PLT 500 X 4 X 36 1 PC ***** ht:266250	1	1	Ø

ship journey collect

SOV 11-17

Shipping :
Package No :

Ref. :

Merchandise Received:

METALUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel.: 450 641-3330

Shipping Order 15/11/2017

Order : 130371
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sp124363	303 PLT .500 X 4 X 36 1 PC ***** ht;266250	1	1	Ø

ship journey collect

Shipping :
Package No :
Merchandise Received:

Ref. :
Nov 16-17

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Certification Date
14-NOV-2017

43598-J
PART NUMBER/NUMÉRO DE PIÈCE
506116

Invoice Number
T372678

SOLD TO: METAUX SOLUTIONS INC.
VENDU À:

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (RIVE-SUD)

2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1

Description: 41L40/42 CF ANN BAR ASTM A331
1-1/2 RD X 12' R/L
HEAT: 182713

ITEM: 506116

Line Total: 73 LB

Specifications:

ASTM A331 *
ASTM A304 11
MIC 2016 1 12
ASTM A255 10
ASTM E112 13
ASTM A388/A388M 15
AMS 2750

*WITHDRAWN SPEC
ASTM A322 13
MIC 2016 ADD 71 10
ASTM E45 13
ASTM E381 06
AMS MIL H 6875
API 6A ANNEXE M

ASTM A108 13
ASTM A29/A29M E1 12
EN 10204 3.1 04
ASTM E10 15
ASTM E709 14
AMS MIL STD 1684

CHEMICAL ANALYSIS

C	MN	SI	P	S	CR	NI	MO
0.42	0.96	0.26	0.019	0.026	1.02	0.15	0.17
V	CU	AL	SN	PB	CA	H	
0.006	0.21	0.028	0.012	0.15/0.35	0.0004	0.0001	

RCPT: R174132

COUNTRY OF ORIGIN : SPAIN

MECHANICAL PROPERTIES

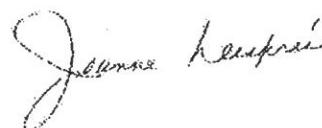
DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN 198
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The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Certification Date
14-NOV-2017

43598-J
PART NUMBER/NUMÉRO DE PIÈCE
506116

Invoice Number
T372678

SOLD TO: METAUX SOLUTIONS INC. SHIP TO: METAUX SOLUTIONS (RIVE-SUD)
VENDU À: 2625 BOUL JACQUES CARTIER EST EXPÉDIÉ À: 2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1L7 LONGUEUIL QC J4N 1

Description: 41L40/42 CF ANN BAR ASTM A331
1-1/2 RD X 12' R/L

Line Total: 73 LB

HEAT: 182713 ITEM: 506116

END-QUENCH HARDENABILITY (JOMINY - RC) IN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
57	57	56	56	56	55	55	54	54	53	52	50	49	48	47
16	18	20	22	24	26	28	30	32						
46	45	44	43	42	41	41	40	40						

GRAIN SIZE : 7 -

CLEANLINESS

	A		B		C		D	
	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX
e45	2.0	0.5	2.0	0.5	0.0	0.0	0.5	0.0

VACUUM DEGASSED MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
EDDY CURRENT: YES
ULTRASONIC: YES
MACRO: OK
MICRO1: OK

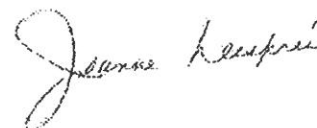
COMMENTS

red. ratio 27,2
free from radioactive contamination

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Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004), 3.1

1000

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004), 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Telefono 0444 958211 - Fax 0444 953939
Stab - 36100 BOLLZANO (Italia) - Via A. Volta, 4/37
Telefono 0471.924111 - Fax 0471.924497

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione:
Le lettere: Padova 100L D-VI15019974

Ordine nr: 43992
Revit:
Veduta:
Comando:

Tipo di Elaborazione: E+AOD
Anschmelzungen/Mating process/Hot fusion welding

Certificato nr: MEST722816/2015/

Produkt/Fabrikat:

Conferma ordine nr: EH15001529

Werkstatt/Certifizierte:

Marchio di Fabbrica:

Zu sehen ist: Liefermenge, Art

Produktname

Stile de l'usine produite

Funzione del Collaudatore:

Geprüft von: Werkstatteinhaber/Prüfer

Inspected by: Workshop Director/Inspector

Produttore: ACCIAIERIE VALBRUNA S.P.A.
Hersteller/Usine produites

Stato di fornitura: Hot rolled Descaled Annealed Hot
Lieferungszustand: rolled

Sono state soddisfatte tutte le condizioni richieste
Die gestellten Anforderungen sind erfüllt worden
The material has been checked in accordance with the requirements
Le matériaux ont été vérifiés conformément aux exigences

Controllo antimescolanze: OK
Vermischungsprüfung: Ergebnis entspricht den Anforderungen
Antimixing testing performed: OK
Control de amestecare: conform

Controllo visivo e dimensionale: soddisfatti in esigenza
Beisichtigung und Dimensionierung: ohne Beanstandung
Visual inspection and dimensioning: in accordance with requirements
Control de vizualizare si dimensiuni: conform

Milled and manufactured in Italy No welding or weld repair Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive '97/23/EC' Annex 1, 3, 4, 5 by TÜV and LLOYD'S

Any act of tempering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valbruna grades/products are manufactured with ladle techniques in control composition, distribution, size and shape of non-metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 14/07/15
VCCG12

Il collaudatore di stabilimento / der Werkstatteinhaber/Signifika / Works Inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-R1.500
 DATE: DEC 05 2017

PO / BATCH NO.: 038313/5011027

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.50
 THICKNESS RECEIVED: 1.50
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	<u>AIS, 4140</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	<u>Heat # 182713</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>[Signature]</u>	SIGNED OFF BY: _____
DATE: <u>DEC 05 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 41L40 STEEL ROUND BAR
SPECIFICATION: AISI 41L40
PART NUMBER: MT-41L40-R (D.DDD)
WHERE "D.DDD" = DIAMETER IN INCHES
EG, 5/8" ROUND BAR = MT-41L40-R0.625

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.09.20	SAC	WM

DART AEROSPACE	
Hawthorn, Ontario, Canada	
TITLE AISI 41L40 LEADED STEEL ROUND BAR	
DWG NO.	REV
MT-41L40-R	A
DESIGN BY: SAC 20/09/2017	XXX 1 253 FRACTIONS & 1/8
DRAWN BY: SAC 09/20/2017	XX 41 ANGLES & 5°
CHECKED: VM 09/21/2017	X 12 DIMENSIONS ARE IN INCHES
MFG. APPR: DP 09/21/2017	1. DIMENSIONS ARE IN INCHES
APPROVED: WLM 10/05/2017	2. INTERPRET DIM AND TOL PER
DATE: 20/09/2017	3. AFTER PLATING
SCALE: NTS	WEIGHT: N/A
SHEET 1 OF 1	
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Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038315

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038315
PO Date: 11/9/17
Due Date: 11/17/17
Purchase Order Revision:
Revision Date:
Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

NOV 09 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: COD
Freight Terms:
Special Comments: QUOTE # 24929

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-41L40-R1.500	-	AISI 41L40 Leaded Steel Round Bar 1.500" Dia. material: AISI 41L40 STEEL ROUND BAR PER AISI 41L40		Firmed	11/17/17	12 ft	0 ft	12 ft	\$39.00/ft	\$468.00
2	M303B0.500X4.000	-	AISI 303 SS Bar 0.500" x 4.000" : MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft		Firmed	11/17/17	3 ft	0 ft	3 ft	\$131.6666/ft	\$395.00

Grand Total: \$863.00

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.